

SOLID POWER

A LEADING DEVELOPER OF ALL SOLID-STATE BATTERIES (ASSB) FOR TRANSPORTATION MARKETS

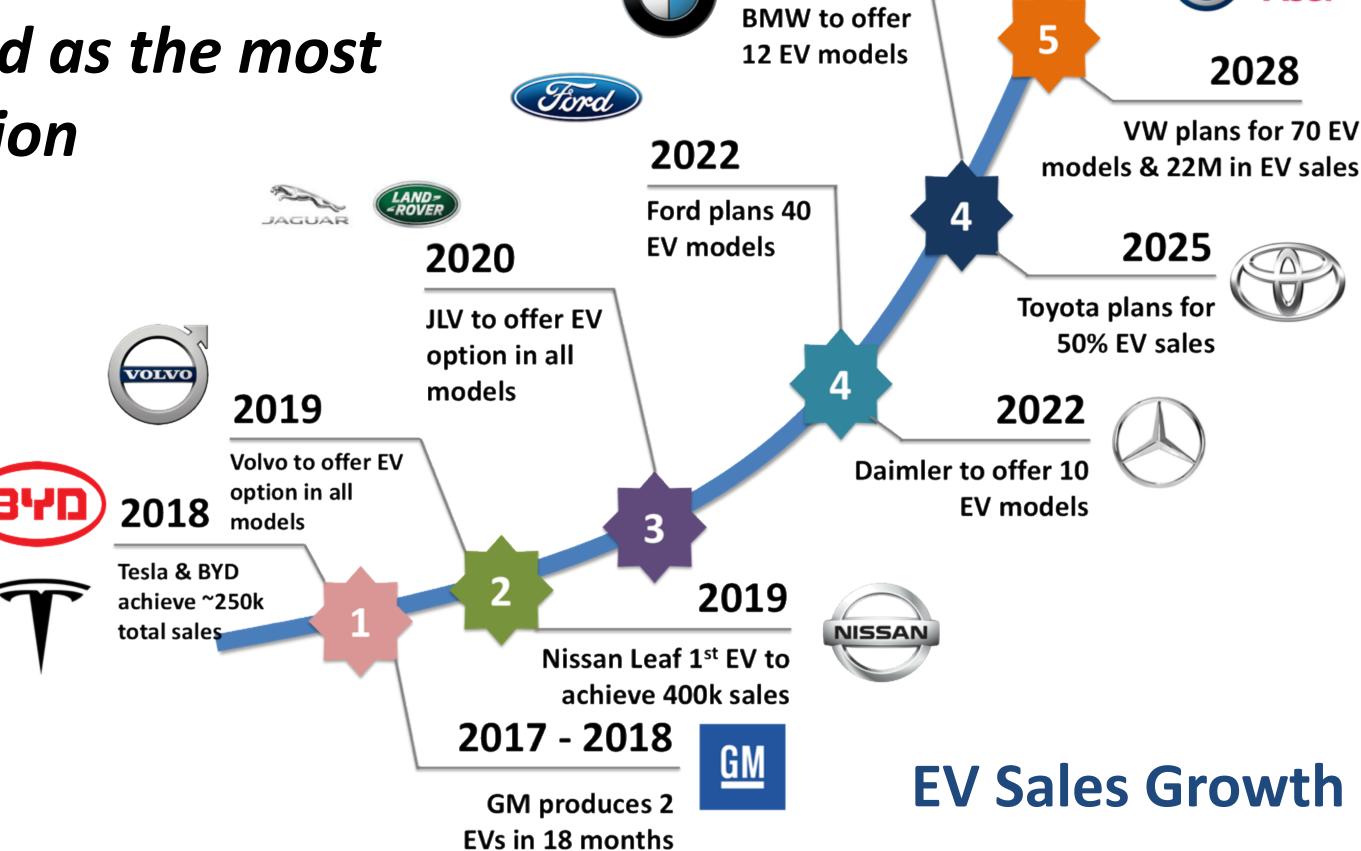
July, 2019
Doug Campbell, CEO

OPPORTUNITY

- Vehicle electrification will transform future transportation markets battery performance, cost & safety represent the greatest risk to this opportunity
- Recognition that Li-ion is nearing its performance limits with ongoing safety concerns
- All solid-state batteries have emerged as the most probable candidate for displacing Li-ion

Competitive Landscape



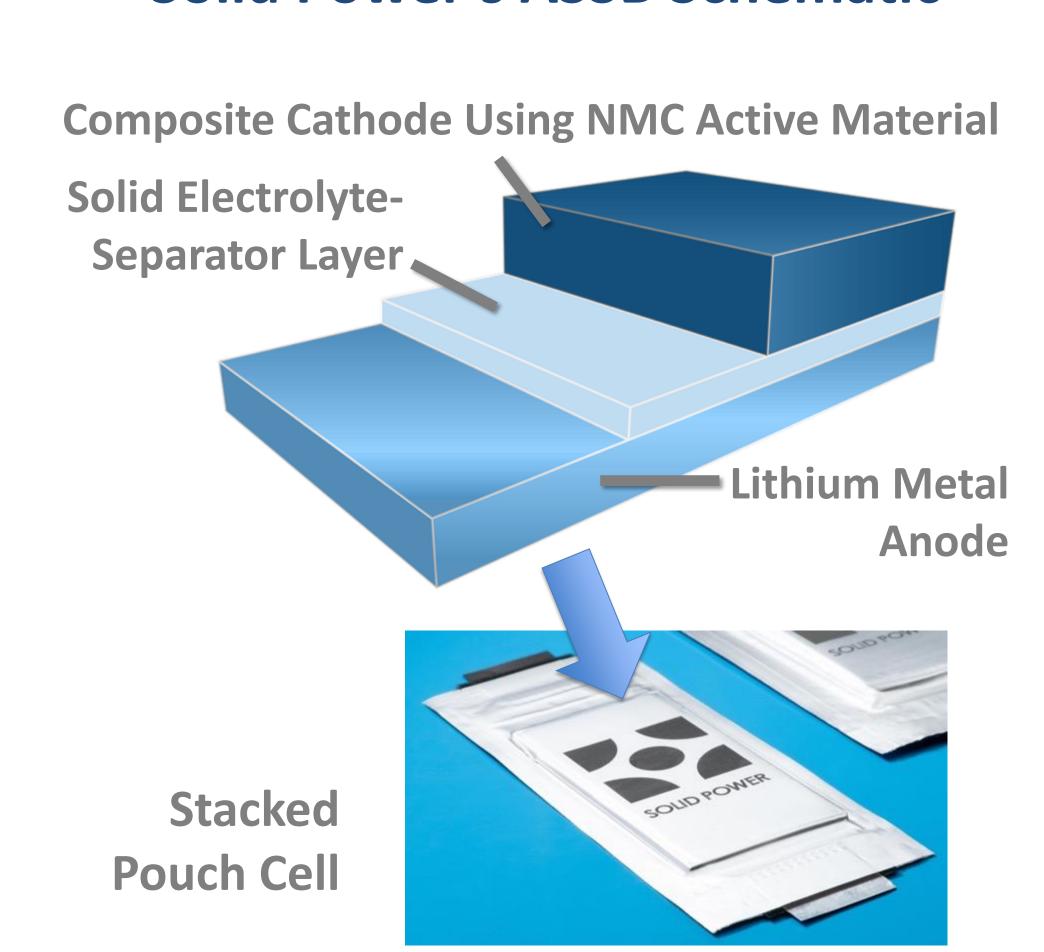


2025

SOLID POWER & ASSP TECHNOLOGY

- Established in 2012 as a spin-out from Univ. of Colorado Boulder
- Extensive IP (in-house & licenses) spanning material compositions, cell design and processing/manufacturing
 Solid Power's ASSB Schematic
- Solid Power has established itself as a leader in sulfide all solid-state batteries (ASSB):
 - 1. High energy
 - Higher capacity cells via Li-metal anodes & simpler pack designs
 - 2. High Safety
 - Lower pack-level costs via minimization of safety features and elimination of pack cooling

Solid Power is currently undergoing production scale-up via its MWh-scale "pre-pilot" line





PROPOSED "ENHANCED" PRE-PILOT

 Solid Power has installed a MWh-scale "pre-pilot" production line

An "Enhanced" Pre-Pilot is envisioned:

- Increase capacity from 1MWh to 10MWh
- Standardize production processes (i.e., QMS) enabling transition to true pilot production
- ~\$10M is required
 - ~\$2M Cap-Ex
 - ~\$8M Op-ex

Position for Series A Cell Production by 2021





TEAM

Personnel:

- CEO, Doug Campbell: start-up veteran in the energy storage, aero & defense industries
- President, Dave Jansen: veteran in small business, operations and investment
- CTO, Josh Garrett: Internationally-renowned expert in solidstate batteries

Future Plans Based on Envisioned Public-Private Partnership:

- 2019: Implement current pre-pilot line
- 2020: Initiate auto qual trials & expand facility to support MWh-scale
- 2021: Transition to Series A Cell production (proposal herein accelerates this by 12-24 months)

Funding To-Date	
2013- 2017	\$10M Public (State & Fed)
	\$3M Commercial
2017-2020	\$26M Private
	\$4M Commercial
Proposed \$10M will augment the	

Current Partners

above culminating in transition to

Series A Cell Production by 2021

Auto OEMs





Financial & Strategics









